REMARKS

Claims 1-2 and 11-14 are pending. By this Amendment, Claim 1 is amended. Support for the amendments to Claim 1 is presented in the application as originally filed. Accordingly, Applicant respectfully submits that no new matter is presented herein.

Claim Rejections – 35 U.S.C. §103

Claim 1 is rejected under 35 U.S.C §103(a) as being unpatentable over United States Patent No. 7,003,289 to Kolls (Kolls) in view of U.S. Patent No. 6,449,695 to Bereznyi et al. (Bereznyi), and further in view of U.S. Patent No. 6,665,704 to Singh (Singh); Claims 2 and 11-13 are rejected under 35 U.S.C §103(a) as being unpatentable over Kolls in view of Berez and Singh, and in further view of U.S. Patent No. 5,999,876 to Irons et al. (Irons); and Claim 14 is rejected under 35 U.S.C §103(a) as being unpatentable over Kolls in view of Berez and Singh, and in further view of U.S. Patent No. 6,097,314 to Desens et al. (Desens).

Applicant respectfully traverses the rejections as they relate to pending Claims 1-2, and 11-14 for at least the following reason(s).

Claim 1 recites a client-server vehicle data communication system, including a server; and a client terminal of a vehicle, wherein the server includes: a service contents storage section for storing a plurality of service contents to be provided to the client terminal, where the service contents are classified into categories defined according to a need for data update; and a service contents managing section for managing the service contents, ***wherein the service***

contents managing section includes a cache identifier providing section for assigning each service content provided to the client terminal a cache identifier which indicates a data cache stored duration time in the client terminal according to the categories, so as to manage the data cache stored duration time of the service content, wherein the client terminal includes: a cache state managing section for managing the data cache stored duration time of the service content is provided from the server according to the cache identifier assigned to the service content; and a request sending section for sending a request signal for the service content to the server, where the service content is provided from the server when the request signal is received by the server, wherein the cache identifier indicates a condition for caching of the service content, and wherein when a request for the service content is again issued in the client terminal while the condition for the caching is satisfied and the service content is cached in a memory of the client terminal, the service content in the memory is read out without sending the request signal for the service content to the server.

Applicant respectfully submits that Kolls, Bereznyi, Singh, Irons and Desens, alone or in any combination, do not teach or suggest the invention recited by Claim 1.

For example, the Office Action asserts Kolls discloses "a service contents managing section for managing a plurality of service contents to be provided to a client terminal of a vehicle, wherein the service contents managing section includes a cache identifier providing a section for assigning each service content

provided to the client terminal a cache identifier which indicates a data cache stored duration time in the client terminal, so as to manage the data cache stored duration time of the service content (col. 6, lines 44-63)" (emphasis added).

Applicant respectfully submits that Kolls actually teaches a system for wirelessly data communicating between and effectuating a network with a plurality of vehicles and a plurality of data processing resources.

Applicant notes that Kolls is totally silent as to teaching of "a service contents managing section for managing the service contents, wherein the service contents managing section includes a cache identifier providing a section for assigning each service content provided to the client terminal a cache identifier which indicates a data cache stored duration time in the client terminal according to categories that are defined according to a need for data update, so as to manage the data cache stored duration time of the service content," as is recited by Claim 1. Moreover, it is clear that Kolls manages the caching of data based on the availability of an in-vehicle device 200 coming into wireless data communication proximity to the COM device 100.

Applicant respectfully submits that Kolls is totally silent to and fails to teach or remotely suggest a service contents managing section for managing the service contents stored in a service contents storage section, wherein the service contents managing section includes a cache identifier providing section for assigning each service content provided to the client terminal a cache identifier which indicates a data cache stored duration time in the client terminal according

to categories that are defined according to a need for data update, as is recited by Claim 1.

Applicant submits Bereznyi is cited merely for teaching that when a request for service content is again issued in a client terminal while the condition for caching is satisfied and the service content is cached in a memory of the client terminal, the service content in the memory is read out without sending the request signal for the service content to the server. However, Applicant notes Bereznyi does not teach or suggest a service contents managing section for managing the service contents stored in a service contents storage section, wherein the service contents managing section includes a cache identifier providing section for assigning each service content provided to the client terminal a cache identifier which indicates a data cache stored duration time in the client terminal according to categories that are defined according to a need for data update, as is recited by Claim 1. Therefore, Bereznyi does not cure or otherwise address the above-described deficiency of Kolls.

Applicant respectfully submits that Singh merely teaches managing timestamping of data cached by a proxy server and deleting the data when a specific cache storage time limit has elapsed, that is, deleting of old data. Nowhere does Singh teach or suggest a service contents managing section for managing the service contents stored in a service contents storage section, wherein the service contents managing section includes a cache identifier providing section for assigning each service content provided to the client terminal a cache identifier which indicates a data cache stored duration time in

the client terminal according to categories that are defined according to a need for data update, as is recited by Claim 1. Therefore, Singh does not cure or otherwise address the above-described deficiency of Kolls and Bereznyi.

As for Irons, Applicant notes the Office Action asserts that Irons discloses an assigned cache identifier is selected from a group including: an identifier for indicating that a service content is not stored in a client terminal; and identifier for indicating that the service content is temporarily stored until an engine of the vehicle is stopped; an identifier for indicating that the service content is stored even after the engine of the vehicle is stopped; an identifier for indicating that the service content is stored while a travel distance of the vehicle from where the vehicle obtained the service content is within a predetermined value; and an identifier for indicating that the service content is stored from when the vehicle obtains the service content until a predetermined time has elapsed. Yet, nowhere does Irons teach or suggest a service contents managing section for managing the service contents stored in a service contents storage section, wherein the service contents managing section includes a cache identifier providing section for assigning each service content provided to the client terminal a cache identifier which indicates a data cache stored duration time in the client terminal according to categories that are defined according to a need for data update, as is recited by Claim 1. Therefore, Irons does not cure or otherwise address the above-described deficiency of Kolls, Bereznyi, and Singh.

Desens is cited merely for teaching that wherein the assigned cache identifier is an identifier for indicating that the service content is stored while a

travel distance of the vehicle from where the vehicle obtained the service content is within a predetermined value. As such, nowhere does Desens teach or suggest a service contents managing section for managing the service contents stored in a service contents storage section, wherein the service contents managing section includes a cache identifier providing section for assigning each service content provided to the client terminal a cache identifier which indicates a data cache stored duration time in the client terminal according to categories that are defined according to a need for data update, as is recited by Claim 1. Therefore, Desens does not cure or otherwise address the above-described deficiency of Kolls, Bereznyi, Singh, and Irons.

In view of the above, Applicant respectfully submits that Kolls, Bereznyi, Singh, Irons, and Desens, alone or in any combination thereof, fail to teach or suggest the features of the invention recited by Claim 1. Therefore, if one of ordinary skill in the art were to combine the teachings of the applied references, the combined teachings would not result in the invention recited by Claim 1. Accordingly, Applicant respectfully submits that Claim 1 is not rendered obvious by Kolls, Bereznyi, Singh, Irons, and Desens, alone or in any combination thereof, and should therefore be deemed allowable.

Claims 2 and 11-14 depend from Claim 1. It is respectfully submitted that these dependent claims be deemed allowable for at least the same reason(s) Claim 1 is allowable, as well as for the additional subject matter recited therein.

Applicant respectfully requests withdrawal of the rejections.

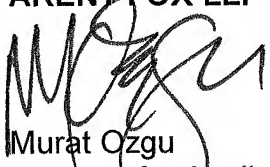
Conclusion

In view of the above, reconsideration of the application, withdrawal of the outstanding rejections, allowance of Claims 1-2 and 11-14, and the prompt issuance of a Notice of Allowability is respectfully requested.

Should the Examiner believe anything further is desirable in order to place the application in better condition for allowance, the Examiner is requested to contact the undersigned at the telephone number listed below.

In the event this paper is not considered to be timely filed, the Applicant respectfully petitions for an appropriate extension of time. Any fees for such an extension, together with any additional fees that may be due with respect to this paper, may be charged to counsel's Deposit Account No. 01-2300, **referencing docket number 107439.00098.**

Respectfully submitted,
ARENT FOX LLP



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